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What is Claimed Is:

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- 1. A photocurable resin composition comprising:
 - (A) a cationically polymerizable organic compound;
 - (B) a cationic photopolymerization initiator;
 - (C) an ethylenically unsaturated monomer;
 - (D) a radical photopolymerization initiator; and
 - (E) a polyol.
- 10 2. The photocurable resin composition according to claim 1, wherein the composition comprises, relative to the total weight of the composition, 20-85 wt% component (A), 5-45 wt% component (C), and
- 15 5-35 wt% component (E).
 - 3. A photocurable resin composition according to any one of claims 1-2, wherein said component (A) comprises at least one compound having two or more alicyclic epoxy groups.
- A photocurable resin composition according to any one of claims 1-3, wherein component (C) comprises at least one polyfunctional ethylencially unsaturated monomer.
- 5. A photocurable resin composition according to any one of claims 1-4, wherein component (E) comprises at least one polyether polyol having 3-6 hydroxyl groups.
- The photocurable resin composition according to claims 1-5, wherein said composition further comprises elastomer particles.

- 7. The photocurable resin composition according to claim 6, wherein said elastomer particles have an average particle diameter of 10-700 nm.
- 5 8. A photocurable resin composition according to any one of claims 6-7, wherein the elastomer particles include core-shell particles.
- 9. A photocurable resin composition according to any one of claims 6-8, wherein the elastomer particles having a base component including polybutadiene, polyisoprene, styrene/butadiene copolymer, styrene/isoprene copolymer, ethylene/propylene copolymer, ethylene/olefin copolymer, ethylene/olefin/polyene copolymer, butadiene/(meth)acrylate copolymer, styrene/butadiene block copolymer, or styrene/isoprene block copolymer.
- 20 10. A photocurable resin composition according to any one of claims 6-9, wherein the elastomer particles include at least one core-shell particle having a partially crosslinked core comprising polybutadiene, polyisoprene, styrene/butadiene copolymer, styrene/isoprene copolymer, butadiene/(meth)acrylate copolymer, styrene/butadiene block copolymer, or styrene/isoprene block copolymer; and
- a shell comprising a methyl methacrylate polymer, 30 methyl methacrylate/glycidyl copolymer, or methacrylate copolymer.
- 11. A photocurable resin composition according to any one of claims 1-10, wherein said composition

 further comprises an epoxy-branched alicyclic compound (G).

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12. A photocurable resin composition according to claim 11, wherein said epoxy-branched alicyclic compound (G) comprises at least 2 epoxy-branched alicyclic groups.

13. A photocurable resin composition according to any one of claims 11-12, wherein said epoxy-branched alicyclic compound (G) comprises an epoxyethyl group.

- 14. A photocurable resin composition according to any one of claims 11-13, wherein said epoxy-branched alicyclic compound (G) comprises a residue of an organic compound having a valency of from 1-100.
- 15. A photocurable resin composition according to any one of claims 11-14, wherein said epoxy-branched alicyclic compound (G) comprises a residue of an organic compound linked via an oxy group to at least one epoxyalkyl-branched cycloalkyl group.
- 16. A photocurable resin composition according to any one of claims 11-15, wherein said epoxy-branched alicyclic compound (G) comprises an epoxyalkylbranched cycloalkyl group that is hydroxy substituted.
- 17. A photocurable resin composition according to any one of claims 11-16, wherein said epoxy-branched alicyclic compound (G) includes a hydroxyepoxyethylcyclohexyl group.
- 18. A photocurable resin composition according to any one of claims 11-17, wherein said epoxy-branched alicyclic compound (G) includes a 1-hydroxy-3-(1,2-epoxyethyl)cyclohexyl group.

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- 19. A process for photo-fabricating a threedimensional object comprising: selectively curing a photo-curable resin according to any one of claims 1-18.
- 20. A three-dimensional object formed from a photocurable resin composition according to any one of claims 1-18, or with a process according to claim 19.